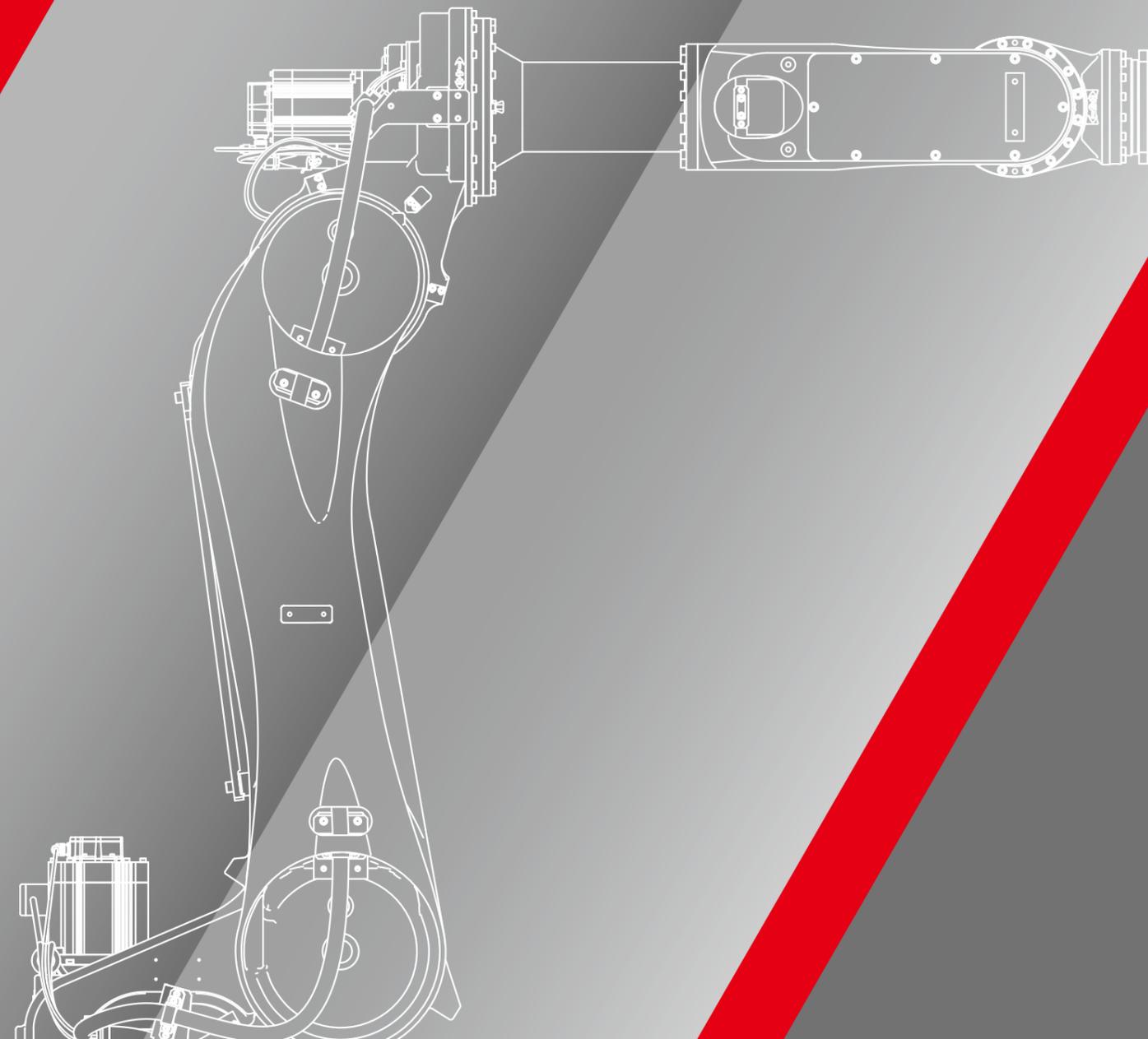


Kawasaki Robot CX series

Large payload robots up to 210 kg



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* Materials and specifications are subject to change without notice.

Kawasaki Robot

CAUTIONS TO BE TAKEN TO ENSURE SAFETY

- For those persons involved with the operation / service of your system, including Kawasaki Robot, they must strictly observe all safety regulations at all times. They should carefully read the Manuals and other related safety documents.
- Products described in this catalogue are general industrial robots. Therefore, if a customer wishes to use the Robot for special purposes, which might endanger operators or if the Robot has any problems, please contact us. We will be pleased to help you.
- Be careful as Photographs illustrated in this catalogue are frequently taken after removing safety fences and other safety devices stipulated in the safety regulations from the Robot operation system.



ISO certified in Akashi Works.

Kawasaki's newest technologies have allowed for the further evolution of robot's motion speed and range.

CX series robots, equipped with a light-weight and large hollow structural arm and a new universal controller, are general-purpose large size robots with a variety of applications from material handling to spot welding.



Features

High-speed motion

Its high-speed motion operation, accomplished by light-weight arm, the latest vibration control system, and a maximum-speed-focused setting, reduces cycle time drastically, especially in long stroke motions such as in handling of materials.

Better cable harness storing

The robot's hollow structural arm base and upper arm have made it possible to store the cable harness within. Its large hollow structure diameter makes it easier to retrofit the cable harnesses or service the robot.

Higher installation flexibility

Its small installation area and long-reach arm make it possible to satisfy any robot layout requirements.

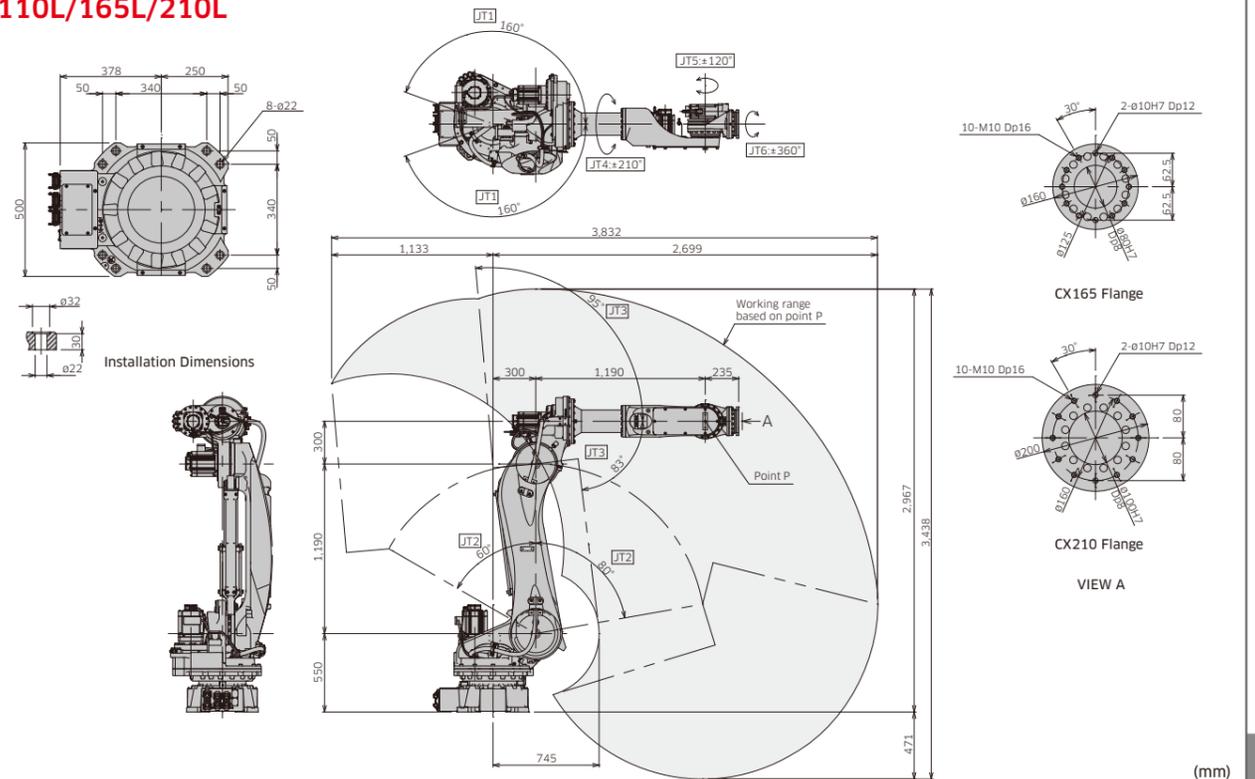
Standard specifications

		CX110L	CX165L	CX210L
Type		Articulated robot		
Degree of freedom (axes)		6		
Max. Payload (kg)		110	165	210
Max. Reach (mm)		2,699		
Repeatability (mm) *		±0.3		
Motion Range (°)	Arm rotation (JT1)	±160		
	Arm out-in (JT2)	+80 - -60		
	Arm down-up (JT3)	+95 - -83		
	Wrist swivel (JT4)	±360		
	Wrist bend (JT5)	±125		
	Wrist twist (JT6)	±360		
Max. Speed (°/s)	Arm rotation (JT1)	140	130	125
	Arm out-in (JT2)	135	120	115
	Arm down-up (JT3)	135	120	115
	Wrist swivel (JT4)	250	180	180
	Wrist bend (JT5)	250	180	180
	Wrist twist (JT6)	320	260	220
Moment (N·m)	Wrist swivel (JT4)	830	930	1,334
	Wrist bend (JT5)	830	930	1,334
	Wrist twist (JT6)	441	490	588
Moment of Inertia (kg·m ²)	Wrist swivel (JT4)	85	99	199.8
	Wrist bend (JT5)	85	99	199.8
	Wrist twist (JT6)	45	49.5	154.9
Mass (kg)		800		
Body color		Munsell 10GY9/1 equivalent		
Mounting		Floor		
Environmental Condition	Temperature (°C)	0 - 45		
	Humidity (%)	35 - 85 (No dew, nor frost allowed)		
Controller		E02		

* : conforms to ISO9283

Motion range & dimensions

CX110L/165L/210L



(mm)